|   | 10/049,798      |                |                      |             |              |                      |           | HIRAMATSU ET AL. |  |           |          |       |               |            |
|---|-----------------|----------------|----------------------|-------------|--------------|----------------------|-----------|------------------|--|-----------|----------|-------|---------------|------------|
|   | Examiner        |                |                      |             |              |                      |           | Uni              | t  |           |          |       |               |            |
| £ 169161 (1911 #311) #311) #313 1011) (2011 | Paul S. Hyun    |                |                      |             |              |                      | 1743      |                  |  |           |          |       |               |            |
| [1]   | П               | (Through numer | al)                  | ••          |              | Г                    |           |                  |  |           |          |       |               |            |
| √ Rejected                                  |                 | Cancelled      |                      | N Non-Elect |              |                      | ed        | A                | Appeal   |           |          |       |               |            |
| = Allowed                                   | +               | Restricted     |                      | ı           | Interference |                      |           | 0                | Objected   |           |          |       |               |            |
| Claim Date                                  | Claim           |                | Date                 |             |              |                      | Claim     |                  | Date   |           |          |       |               | ך          |
| al lad                                      |                 | al<br>mat      |                      |             |              | $\prod I$            | 19 Ta     |                  |  | П         |          | Τ     | П             | •          |
| Final Original                              |                 | Final          |                      |             |              |                      | Final     | b                |  |           |          |       |               |            |
|   | 口               | 51             |                      |             |              | ا لـٰـٰ              | 10        | 1                |  | 目         | 土        | 士     | 廿             |            |
| 3 0   | ╁╂╴             | 52 53          |                      | Н           | +            | <del>├</del> ┤ ┟     | 10        | 2<br>3           | $\vdash$   | Н         | ╁        | ╀     | H             | _          |
| 4 🗸   | 1               | 54<br>55       |                      |             | 二            | $\Box$               | 10        | 4                |  | Ħ         | 丰        |       |               | 7          |
| 5 v   | <del>   -</del> | 56             | ++-                  | $\vdash$    | ╁            | H $I$                | 10        |                  | ╟┼   | H         | +        | +     | ╁             | -          |
| (8)   |                 | 57             |                      |             | - -          | $\Box$               | 10        | 7                | $\Box$   | П         | $\top$   | T     | $\Box$        |            |
| r9\0  |                 | 59             |                      |             |              | Ыt                   | 10        | 9                |  | Н         | $\pm$    | 士     | 士             | <u>-</u>   |
| (T) (1)                                     | ╀               | 60             |                      |             |              | $\vdash\vdash\vdash$ | 11<br>11  |                  | $\vdash \vdash$                                  | Н         | $\perp$  | +     | Н.            | _          |
| 12 v  |                 | 62             |                      |             |              |                      | 11        | 2                |  |           | 士        | 土     |               | Ⅎ          |
| 13  | ++              | 63             | -+-                  | -           | - -          | <del>├</del> ┤ ├     | 11<br>11  |                  | <del>                                     </del> |           | 4        | +     | $\vdash$      | 4          |
| 15  |                 | 65             |                      |             |              |                      | 11        | 5                |  |           | 士        | 上     | 廿             |            |
| 16  | ┼┼╌             | 66             |                      | Н           |              | <del>├</del> ┤ ┞     | 11<br>11  |                  | $\vdash$   | Н         | +        | +-    | $\vdash$      |            |
| 18  |                 | 68             |                      |             |              | $\Box$               | 11        | 8                |  | 目         | 士        | 上     | 廿             | <b>j</b> . |
| 19 20                                       | ++              | 69 70          |                      | $\vdash$    | - -          | <del>├</del> ┤ ┟     | 11<br>12  | 9                | $\vdash\vdash$                                   | Н         | +        | +-    | ₩             | -          |
| 21  |                 | 71             |                      |             |              |                      | 12        | 1                |  |           |          | 上     |               |            |
| 22 23                                       | ++              | 72 73          |                      | Н           |              | <del>├</del> ┤ ┟     | 12        | 3                | ├┼   | ╂┥        | +        | ╀     | H             | -          |
| 24  |                 | 74             |                      |             |              |                      | 12        | 4                |  | 口         | 士        | 土     |               |            |
| 25 26 26                                    |                 | 75             |                      | $\vdash$    | -            | $H \mid H$           | 12        | 5                | ╂╌╂╾   | $\vdash$  | +        | +     | H             | -          |
| 27  | 口               | 77             |                      |             |              |                      | 12        | 7.               |  | 口         |          |       | 口             |            |
| 28 29                                       | ++              | 78<br>· 79 )   |                      | Н           |              | <del>∐</del> ⊦       | 12        | 8                | ├  | Н         | +        | +     | $\vdash$      | -          |
| 30  |                 | 80             |                      |             |              |                      | 13        | 0                |  |           | 工        | 工     |               |            |
| 31 32                                       | ┼┼╴             | 81             |                      | Н           | +            | <del>├</del> ┤ }     | . 13      | 1                | ├-├-   | H         | +        | ╁     | $\vdash$      | -          |
| 33  |                 | 83             |                      |             |              |                      | 13        | 3                |  |           | 工        | 1     |               |            |
| 34 35                                       | ╁┼,             | 84             |                      | Н           | +            | ╂┤┟                  | 13<br>.13 |                  | ╁┼   | H         | +        | ╁     | ╁┼            | -          |
| 36  |                 | 86             |                      |             |              |                      | 13        | 6                |  |           | 丰        | #     | П             |            |
| 37 38                                       | ++              | 87             | <del>-   -   -</del> | Н           | $\vdash$     | <del>├</del> ┤ ┟     | 13<br>13  |                  | ├-   | ╁┪        | +        | 十     | +             | -          |
| 39  |                 | 89<br>90       |                      |             |              |                      | 13        | 9                |  | П         | 1        | F     | $\Box$        | 7          |
| 40 41                                       | $\vdash$        | 91             |                      | Н           | -            | H                    | 14        |                  |  | Н         | +        | ╁     | H             | -          |
| 42 43                                       | H               | 92             |                      | F           | 1            | 日                    | 14        | 2                |  | П         | $\dashv$ | F     |               |            |
| 44  |                 | 94             |                      | Ħ           | $\perp$      | ┧                    | 14        | 4                |  |           | -        | $\pm$ |               |            |
| 45  | П               | 95<br>96       |                      | П           | $\bot$       | $\Box$               | 14        |                  | F  | П         | 1        | F     | П             | 7          |
| 48 47                                       |                 | 97             |                      | H           | $\pm$        | ╁┤┟                  | 14        | 7                | 一  | $oxed{H}$ | _        | +     | ${\mathsf H}$ | _          |
| 48  | II              | 98             |                      | П           | F            | $\Box$               | 14        | 8                | II   | П         |          | Ţ     | H             |            |
| 50  |                 | 100            |                      | H           |              |                      | 14<br>15  |                  |  | H         | _        | $\pm$ | ╆┼            | _          |
|   |                 |                |                      |             |              |                      |           |                  |  |           |          |       |               | _          |

Application/Control No.

Index of Claims

Applicant(s)/Patent under Reexamination